

Chosun Refractories AH-1 Acid-Proof and Heat-Resistant Brick

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chosun-Refractories-AH-1-Acid-Proof-and-Heat-Resistant-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 g/cc	0.0777 lb/in ³	
Water Absorption	2.5 %	2.5 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	88.3 MPa	12800 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
CTE, linear	5.50 $\mu\text{m}/\text{m}\cdot\text{C}$	3.06 $\mu\text{in}/\text{in}\cdot\text{F}$	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	100 °C	212 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	23 %	23 %	
Fe ₂ O ₃	0.70 %	0.70 %	
SiO ₂	68 %	68 %	

Descriptive Properties	Value	Comments
Qualities	Acid proof and Heat-resistant	

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